

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket No: 081356/0168

In re patent application of

CHIBA, YASUNORI et al.

Serial No. 10/049,887

Filed: February 19, 2002

For: NOVEL YEAST MUTANTS AND PROCESS FOR PRODUCING GLYCOPROTEIN CONTAINING
MAMMALIAN TYPE SUGAR CHAINSTATEMENT TO SUPPORT FILING AND SUBMISSION IN
ACCORDANCE WITH 37 C.F.R. §§ 1.821-1.825Assistant Commissioner for Patents
Washington, D.C. 20231
Box SEQUENCE

Sir:

In connection with a Sequence Listing submitted concurrently herewith, the undersigned hereby states that:

1. the submission, filed herewith in accordance with 37 C.F.R. § 1.821(g), does not include new matter;

2. the content of the attached paper copy and the attached computer readable copy of the Sequence Listing, submitted in accordance with 37 C.F.R. § 1.821(c) and (e), respectively, are the same; and

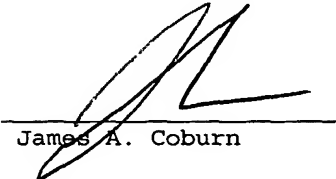
3. all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United

Serial No. 10/049,887

States Code and that such willful false statements may jeopardize the validity of the application or any patent resulting therefrom.

Respectfully submitted,

June 20, 2000
Date


James A. Coburn

HARBOR CONSULTING
Intellectual Property Services
1500A Lafayette Road
Suite 262
Portsmouth, N.H.
800-318-3021

SEQUENCE LISTING

<110> CHIBA, YASUNORI
KAINUMA, MAMI
TAKEUCHI, MAKOTO
KAWASHIMA, EIKO
YOSHIDA, SATOSHI
YAMANO, SHIGEYUKI
JIGAMI, YOSHIFUMI
ISHII, TOMOKO
SHIMMA, YOH-ICHI
HIRAKI, YUSUKE

<120> NOVEL YEAST MUTANTS AND PROCESS FOR PRODUCING GLYCOPROTEIN
CONTAINING MAMMALIAN TYPE SUGAR CHAIN

<130> 081356/0168

<140> 10/049,887
<141> 2002-02-19

<150> JP 11-233215
<151> 1999-08-19

<160> 26

<170> PatentIn Ver. 2.1

<210> 1
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
(Primer)

<400> 1
ggatccgaag aaaaccta acattgaagt 30

<210> 2
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
(Primer)

<400> 2
gcattgccctt tgggttaata taaatctccg gattgc 36

<210> 3
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
(Primer)

<400> 3
gcattgctaca taactccaat cagcagcaaa tatgtc 36

<210> 4
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
(Primer)

<400> 4
gcggccgcgt gttctgttcg ggtaacgttt aaaccaat 38

<210> 5
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
(Primer)

<400> 5
agatgcatac tagtgggccc attgtgattg gaat 34

<210> 6
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
(Primer)

<400> 6
ccccccaatt cgtgtgaagg aatagtgacg 30

<210> 7
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
(Primer)

<400> 7
 cccccgaatt caagtcggag aacctgactg 30

<210> 8
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

<400> 8
 atggggccac tagtatgcat ctgcgtggc atgg 34

<210> 9
 <211> 38
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

<400> 9
 gcggccgcga gacctgaatc ttcgacacgc aagaaaaa 38

<210> 10
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

<400> 10
 gaattcgctt tcgaacaaaa tcaaaagggg cataac 36

<210> 11
 <211> 32
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

<400> 11
 gaattcctat ccaccaaact cacaagcaag ca 32

<210> 12
 <211> 38

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

 <400> 12
 gcggccgcgcg agaggggtgaa cgggtgctaac tcaggatt 38

 <210> 13
 <211> 36
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

 <400> 13
 cgccgcgcgag ctctaaaaaa atgaagttaa gccgcc 36

 <210> 14
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

 <400> 14
 atcccaccac tttgaaaggt 20

 <210> 15
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

 <400> 15
 gaagactcac ggaggaagtt 20

 <210> 16
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

<400> 16
 atggcggtat atgtgctcga 20

<210> 17
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

<400> 17
 cgcagtttgg gatacagcaa 20

<210> 18
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

<400> 18
 attattatta gcggccgccc ctcaactgga ttcg 34

<210> 19
 <211> 162
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 comprising sequence S

<400> 19
 ggatccgagc tccaccgcgg tggcggccgc atgttttacc catacgatgt tcctgactat 60
 gcgggctatc cctatgacgt cccggactat gcaggatata catatgacgt tccagattac 120
 gcagctacta gtgggcatgc ttcacgcgtc tagtgagaat tc 162

<210> 20
 <211> 176
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 comprising sequence T

<400> 20
 gagctcaaaa agaaagcaag taaaagaaag aagagatcat gtctaggaag ttgtcccacc 60
 tgatcgctac aaggaaatca aaaacaatag tcgtaaccgt acttcttatt tattctttgt 120

tgacatttca cttgtcaaac aaaaggctgc tttctcagtt ttacccatgg gaattc 176

<210> 21
 <211> 39
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

<400> 21
 ttagactacc catggaaccc gcgccgcgag ggctccttc 39

<210> 22
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

<400> 22
 caggagaact ttggttcgaa aaagctttga cttctt 36

<210> 23
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

<400> 23
 agagcggccg caaaatgttc gccaacctaa 30

<210> 24
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic DNA
 (Primer)

<400> 24
 ttttgtcgac tagacgcgtg aagcatgccc 30

<210> 25
 <211> 24

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
(Primer)

<400> 25
cgccaggggtt ttcccagtcg cgac 24

<210> 26
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA
(Primer)

<400> 26
atggggccggc tcttttatcc aaagatac 28